What is claimed is:

77. (New) A method of manufacturing a vacuum chuck, said method comprising:

forming a plurality of through holes extending between a first surface and a second surface positioned opposite to each other, wherein said first surface and said second surface are disposed on a chuck body;

patterning said first surface to produce a plurality of recesses, wherein a through hole of said plurality of through holes lies within said recess; and

etching said first surface to produce a desired formation upon said chuck body.

- 78. (New) The method as recited in claim 77 wherein said chuck body comprises an optical flat glass, wherein said second surface of said optical flat glass is substantially flat.
- 79. (New) The method as recited in claim 77 wherein said desired formation comprises a plurality of pins disposed on said first surface.
- 80. (New) The method as recited in claim 77 wherein said desired formation comprises an annular recess disposed on said first surface.
- 81. (New) The method as recited in claim 77 wherein said desired formation comprises a plurality of concentric annular recesses disposed on said first surface.

82. (New) A method of manufacturing a vacuum chuck, said method comprising:

forming a plurality of through holes extending between a first surface and a second surface positioned opposite to each other, wherein said first surface and said second surface are disposed on a chuck body;

patterning said first surface to produce a plurality of recesses, wherein a through hole of said plurality of through holes lies within said recess;

etching said first surface to produce a desired formation upon said chuck body; and

wherein said second surface is substantially flat.

- 83. (New) The method as recited in claim 82 wherein said chuck body comprises an optical flat glass.
- 83. (New) The method as recited in claim 82 wherein said desired formation comprises a plurality of pins disposed on said first surface.
- 84. (New) The method as recited in claim 82 wherein said desired formation comprises an annular recess disposed on said first surface.
- 86. (New) The method as recited in claim 82 wherein said desired formation comprises a plurality of concentric annular recesses disposed on said first surface.
- 87. (New) A method of manufacturing a vacuum chuck, said method comprising:

forming a plurality of through holes extending between a first surface and a second surface positioned opposite to each other, wherein said first surface and said second surface are disposed on a chuck body;

patterning said first surface to produce a plurality of recesses, wherein a through hole of said plurality of through holes lies within said recess; and

etching said first surface to produce a desired formation upon said chuck body; and

wherein said chuck body comprises an optical flat glass, wherein said second surface of said optical flat glass is substantially flat.

- 89. (New) The method as recited in claim 87 wherein said desired formation comprises a plurality of pins disposed on said first surface.
- 90. (New) The method as recited in claim 87 wherein said desired formation comprises an annular recess disposed on said first surface.
- 91. (New) The method as recited in claim 87 wherein said desired formation comprises a plurality of concentric annular recesses disposed on said first surface.